

WD RE3

SATA Hard Drives

Massive Capacity
High Performance
Enhanced Reliability



The perfect solution for servers, storage arrays, video surveillance, and other demanding write-intensive applications.



Generation 3: 20% Faster, Unparalleled Reliability.

WD RE3 Enterprise SATA hard drives are packed with performance features including a SATA 3 Gb/s interface, up to 32 MB cache, and an ultra-fast dual processor. Enhanced reliability features, including fourth generation RAFF™ technology, make these drives the easy choice for servers, storage arrays, video surveillance, and other demanding write-intensive applications.

- **Massive capacity** – WD RE3 Enterprise SATA drives are available in capacities up to 1 TB.
- **High performance** – Dual-processor electronics deliver twice the processing power that results in a 20% performance improvement over the previous generation.
- **Enhanced reliability features** – A multi-axis shock sensor and fourth generation RAFF technology deliver enhanced reliability in vibration prone environments.
- **Thermal extended burn-in test** – Each drive is put through extended burn-in testing with thermal cycling to ensure reliable operation.

WD RE3 SATA Hard Drives

Key Features

- **StableTrac™** – The motor shaft is secured at both ends to reduce system-induced vibration and stabilize platters for accurate tracking during read and write operations. (750 GB and above)
- **RAFF** – Our fourth generation RAFF technology includes sophisticated electronics to monitor the drive and correct both linear and rotational vibration simultaneously in real time for up to a 60% performance improvement over the previous generation of drives operating in high vibration environments.
- **IntelliSeek™** – Calculates optimum seek speeds to lower power consumption, noise, and vibration in active seek modes without degrading performance.
- **Multi-axis shock sensor** – An additional third sensor has been added to automatically detect subtle high frequency shock events in all axis enabling compensation to protect the data.
- **RAID-specific, time-limited error recovery (TLER)** – Prevents drive fallout caused by the extended hard drive error-recovery processes common to desktop drives.
- **Third generation dynamic fly height** – Each read-write head's fly height is adjusted in real time for optimum reliability.
- **NoTouch™ ramp load technology** – The recording head never touches the disk media ensuring significantly less wear to the recording head and media as well as better drive protection in transit.
- **Perpendicular Magnetic Recording (PMR)** – WD RE3 drives utilize PMR technology to achieve even greater areal density, reliability, and design margin.
- **5-year limited warranty**

Key Specifications

Interface:	SATA 3 Gb/s
Form Factor:	3.5-inch
Spin Speed:	7200 RPM
Cache:	16 MB or 32 MB
Limited Warranty:	5-year

Capacities

250 GB, 320 GB, 500 GB,
750 GB, 1 TB

Model Numbers

WD2502ABYS, WD3202ABYS,
WD5002ABYS, WD7502ABYS,
WD1002FBYS



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As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

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